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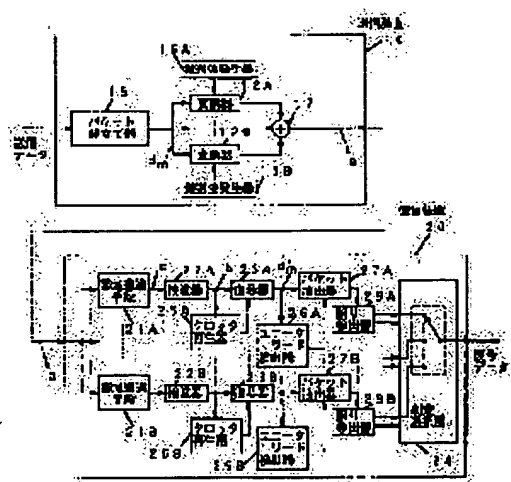
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(54) DATA TRANSMITTER-RECEIVER

(57)Abstract:

PURPOSE: To obtain the data transmitter-receiver in which correct decoding data are obtained even when a strong disturbing wave is in existence.

CONSTITUTION: Transmission data are divided into a prescribed bit number by a packet composing device 16 and a unique word and an error check bit are added to the data and result in a data packet. A transmitter 10 applies digital modulation to plural carriers by using the data packet and sends modulated waves altogether as multi-carrier transmission signals (a). Then the multi-carrier transmission signals (a) are given to a band pass means 21A or the like, in which only a partial band component is extracted and an intermediate frequency signal (c) is obtained. A detector 22A or the like detects the intermediate frequency signal (c) to obtain a detection signal (b). A clock recovery device 25A or the like generates a recovered clock, and a decoder 23A or the like discriminates a discrimination data string d'm from the detection signal (b) based on the recovered clock and provides an output. A unique word detector 26A or the like provides an output of a frame signal and a packet detector 27A or the like extracts a decoded data packet and an error detector 29A or the like checks a bit error in the decoded data packet, and a discrimination selection device 24 links the decoded data packets not including the bit error and provides an output of decoded data.



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